TO:USPTO

Applicants: Philip J. Quenzi and Richard W. Jenney

Serial No. : 10/796,619

Page

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the present application:

I (currently amended): A trailer for carrying cargo, said trailer comprising:

a frame portion;

at least two axles mounted to said frame portion, each of said axles having at least one wheel at opposite ends of said axle, said wheels and said axles supporting said frame portion above the ground; and

a deck, said deck being pivotally mounted to said frame portion via a first support and a second support, said first and second supports being independently operable to raise and lower respective portions of said dock relative to said frame portion, said deck being pivotable about a first-longitudinal deck axis relative to said frame portion and a second-lateral deck axis relative to said frame portion via said supports, said first-longitudinal deck axis extending generally longitudinally along said deck, said second-lateral deck axis extending generally laterally across said deck and generally normal to said first-longitudinal deck axis;

said first support comprising an extendable and retractable boom that is pivotally mounted to said frame portion and pivotable about a first lateral axis at said frame portion, said deck being pivotally mounted to said boom and pivotable about said longitudinal and lateral deck axes relative to said boom;

said second support comprising a pair of rear supports at a rear end of said frame portion, said pair of rear supports being pivotally mounted at said rear end of said frame portion and being pivotable about a second lateral axis at said frame portion, said second support including a pivot member at an upper end of each of said rear supports; and

said deck being slidably mounted to said pair of pivot members and being slidable longitudinally relative to said pivot members, said pivot members being pivotally mounted to respective ones of said pair of supports and being pivotable relative to said pair of supports about

Serial No. : 10/796,619

Page

respective longitudinal axes, said deck being slidable generally along said first longitudinal deck axis relative to said pivot members when said boom is extended or retracted one of said frame portion and said second support.

6169885894

- 2 (currently amended): The trailer of claim 1, wherein said deck is movable along said first longitudinal dock axis and pivotable about said second-lateral deck axis is to engage an end portion of said deck with the ground.
- 3 (currently amended): The trailer of claim 1, wherein said deck is pivotable about said first longitudinal deck axis irrespective of a degree of pivotal movement about said second lateral deck axis.
- 4 (currently amended): The trailer of claim 3, wherein said deck is slidable generally along said first-longitudinal deck axis irrespective of a degree of pivotal movement about said first and second longitudinal and lateral deck axes.
- 5 (currently amended): The trailer of claim 1, wherein said first support comprises an extendable and retractable boom, said boom being deck is pivotable relative to said frame portion and to said deck boom about at least two a pair of laterally extending axes to pivot said deck about said-second axis.
- 6 (currently amended): The trailer of claim-51, wherein said first and second lateral axes are coaxial boom is extendable and retractable to longitudinally move said deck along said first axis.
- 7 (currently amended): The trailer of claim-61, wherein said first and second lateral axes are non-coaxial second support is pivotally mounted to said frame portion and to said deck.

Serial No. : 10/796,619

Page

8 (currently amended): The trailer of claim 7, wherein said second support is pair of rear supports are pivotally mounted to respective brackets and are pivotable about a said second lateral laterally extending axis at said brackets, said brackets being pivotally mounted to said frame portion and pivotable relative to said frame portion about said first lateral axis when said boom pivots about said first lateral axis to adjust the elevation of a portion of said deck-relative to-said-frame portion.

9 (currently amended): The trailer of claim 8, wherein said second support comprises a pair of rear supports are attached to said deck at opposite sides of a centerline of said deck, said pair of rear supports being independently extendable and retractable to cause said deck to pivot about said first longitudinal deck axis.

10 (canceled).

11 (currently amended): The trailer of claim-10 8, wherein said deck is slidable relative to said second support when said-boom is extended or retracted pair of rear supports are pivoted about said second lateral axis.

12 (currently amended): The trailer of claim-10 8, wherein said second support is pivotable about said laterally extending second lateral axis at said frame portion in response to at least one actuator, said at least one actuator pivoting said second support about said laterally extending second lateral axis to vertically adjust said portion of said deck relative to said frame portion.

13 (original): The trailer of claim 1, wherein said at least two axles comprise front and rear steerable axles that are steerable to steer said trailer as it moves over the ground.

Serial No. : 10/796,619

Page

14 (original): The trailer of claim 13, wherein said rear steerable axle is turned in a first direction when said front steerable axle is turned in a second direction, said first direction being generally opposite to said second direction.

15 (original): The trailer of claim 14, wherein said front axle is mechanically connected to said rear axle, such that pivotal movement of said front axle in said second direction causes a corresponding pivotal movement of said tear axle in said first direction.

16 (original): The trailer of claim 15, wherein said front axle is mechanically connected to said rear axle via an elongated member extending between said front and rear axles.

17 (original): The trailer of claim 13, wherein said at least two axles further comprises at least one center axle, said at least one center axle being vertically adjustable relative to said frame portion between a lowered position, where said wheels of said at least one center axle assist in supporting said frame portion above the ground, and a raised position, where said wheels of said at least one center axle are above the ground and said frame portion is supported by said wheels of said front and rear axles.

18 (original): The trailer of claim 17, wherein said front and rear axles are vertically adjustable between a lowered position, where said wheels of said front and rear axles assist in supporting said frame portion above the ground, and a raised position, where said wheels of said front and rear axles are above the ground and said frame portion is supported by said wheels of said at least one center axle.

19 (original): The trailer of claim 13 including a trailer hitch portion that is pivotable to steer said front axle, said hitch portion being pivotally attached to a front end of said frame portion and being pivotable about a first generally vertical pivot axis.

Serial No. : 10/796,619

Page

20 (original): The trailer of claim 19, wherein said front axle is incorporated into a front axle assembly that is pivotable about a second generally vertical pivot axis to steer said trailer.

21 (original): The trailer of claim 20, wherein said hitch portion extends forwardly from said first pivot axis and is movably connected to a forward portion of said front axle assembly.

22 (original): The trailer of claim 21, wherein said first generally vertical pivot axis is positioned forwardly of said second generally vertical pivot axis.

23 (original): The trailer of claim 1, wherein said deck comprises a conveyor operable to convey an article onto and off from said deck.

24 (original): The trailer of claim 1, wherein said deck includes an adjustable platform portion at an end of said deck, said adjustable platform being pivotable about lateral axis extending laterally across said deck.

25 (currently amended): A trailer for carrying cargo, said trailer comprising:

a frame portion;

at least two axles mounted to said frame portion, each of said axles having at least one wheel at opposite ends of said axle, said wheels and said axles supporting said frame portion above the ground; and

a deck, said deck being pivotally mounted to said frame portion by a boom member and at least one rear support, said boom member being pivotally connected at said frame portion and at a forward portion of said deck, said at least one rear support being pivotally mounted at a rear portion of said frame portion and is pivotally and slidably attached to a rearward portion of said deck, said at least one rear support being pivotable relative to said frame portion about a first lateral pivot axis at said frame portion and said deck being pivotable relative to said at least one rear support about a longitudinal pivot axis of said deck; and

Serial No. : 10/796,619

Page : 7

said boom member being pivotable about a <u>second</u> lateral axis extending generally laterally across said frame portion to vertically adjust said forward portion of said deck relative to said frame portion, said boom member <u>pivots pivoting</u> about said <u>laterally extending second</u> <u>lateral</u> axis via a first actuator attached to said frame portion and said boom member, said boom member being extendable and retractable to longitudinally adjust a position of said deck relative to said frame portion, said boom member being extendable and retractable via a second actuator positioned along at least a portion of said boom member, <u>said deck sliding relative to said at least one rear support</u>.

26 (canceled).

27 (currently amended): The trailer of claim 2625, wherein said forward portion of said deck is pivotally attached to an end of said boom member via a multi-axis connection that facilitates pivotal movement of said forward portion of said deck about at least two axes.

28 (original): The trailer of claim 27, wherein said boom member comprises a telescopic boom member having a first member pivotally attached to said frame portion and a second member pivotally attached to said deck, said second member being extendable relative to said first member by said second actuator to longitudinally adjust said deck relative to said frame portion.

29 (original): The trailer of claim 28, wherein said deck is longitudinally movable and pivotable about said laterally extending axis to move an end of said deck toward and into contact with the ground.

30 (canceled).

P.11/25

Applicants: Philip J. Quenzi and Richard W. Jenney

Serial No. : 10/796,619

Page

31 (currently amended): The trailer of claim 25, wherein said at least one rear support is pivotally mounted at at least one mounting bracket at a rear portion of said frame portion and is pivotable relative to said frame portion at least one mounting bracket about a-second laterally extending said first lateral axis to adjust said rear portion of said deck relative to said frame portion.

- 32 (currently amended): The trailer of claim 31, wherein said at least one rear support-mounting bracket is pivotally mounted to a mounting bracket-fixedly attached at relative to said boom member, said at least one mounting bracket and said at least one rear support being pivotable about said laterally extending second lateral axis as said boom member is pivoted about said laterally extending second lateral axis.
- 33 (currently amended): The trailer of claim 31, wherein said at least one rear support is extendable and retractable to vertically adjust said rear portion of said deck relative to said frame portion.
- 34 (currently amended): The trailer of claim 33, wherein said at least one rear support comprises a pair of rear supports positioned towards opposite sides of said frame portion and said deck, said pair of rear supports being independently extendable and retractable to cause said deck to pivot about a longitudinal axis extending generally longitudinally along said deck.
- 35 (currently amended): A trailer for carrying cargo, said trailer comprising:
  - a frame portion;
- at least two axles mounted to said frame portion, each of said axles having at least one wheel at opposite ends of said axle, said wheels and said axles supporting said frame portion above the ground; and
- a deck, said deck being pivotally mounted to said frame portion and being pivotable about a longitudinal axis relative to said frame portion and a lateral axis relative to said frame portion,

Serial No. : 10/796,619

Page

said longitudinal axis extending generally longitudinally along said deck, said lateral axis extending generally laterally across said deck and generally normal to said longitudinal axis, a rearward portion of said deck being attached to;

an extendable and retractable boom pivotally mounted to said frame portion and pivotable about a first lateral axis at said frame portion, said deck being pivotally mounted to a forward end of said boom and being pivotable relative to said boom about at least two pivot axes, said boom being extended and retracted to longitudinally move said deck relative to said frame portion, said boom being pivoted about said first lateral axis to generally vertically move a forward portion of said deck; and

a pair of rearward supports, said rearward supports being pivotally mounted at a rearward portion of said frame portion at respective and opposite sides of a centerline of said frame portion, said rearward supports being pivotable relative to said frame portion about a laterally extending second lateral axis at said frame portion, said rearward supports each including a slide member pivotally mounted at an upper end of said rearward supports, said deck being slidably mounted to said slide members, said rearward supports pivoting about said lateral-extending second lateral axis to vertically adjust said rearward portion of said deck relative to said frame portion, said rearward supports being independently extendable and retractable to pivot said deck about said longitudinal axis, said deck sliding along said slide members to longitudinally move relative to said rear supports in response to extension and retraction of said boom and in response to pivotal movement of said rearward supports about said second lateral axis.

36 (canceled).

37 (currently amended): The trailer of claim 3635, wherein said rearward supports-slide members slide along said deck as said rearward supports are pivoted about said laterally extending axis at said frame portion.

Serial No. : 10/796,619

Page

38 (currently amended): The trailer of claim 35, wherein said first and second lateral axes are non-coaxial-a-forward-portion of said deck is attached to an extendable and retractable boom member that extends and retracts to move suid dock relative to said rearward supports.

39 (currently amended): The trailer of claim 38, wherein said pair of rear supports are pivotally mounted to respective brackets and are pivotable about said second lateral axis at said brackets, said brackets being pivotally mounted to said frame portion and pivotable about relative to said frame portion about said first lateral axis when said boom pivots about said first lateral axis beem member is pivotally mounted to said frame portion, said beem member pivoting about a second-laterally extending axis at said frame portion to vertically-adjust said forward portion of said deck-relative to said frame portion.

40 (currently amended): The trailer of claim-39 35, wherein said rearward supports are attached fixed relative to said boom member and pivotable about said-second laterally extending first lateral axis with said boom member.

41 (currently amended): The trailer of claim 40, wherein said rearward supports are pivotable about said laterally extending second lateral axis and said second laterally extending axis to move said deck rearward and to lower said rearward portion of said deck toward and into contact with the ground.

42 (original): The trailer of claim 35, wherein each of said pair of rearward supports comprises a telescopic support having a first member that is extendable and retractable relative to a second member, said first members being extendable and retractable via a pair of first actuators positioned at least partially along said rearward supports.

43 (currently amended): The trailer of claim 42, wherein said pair of rearward supports are pivoted about said laterally extending second lateral axis via second actuators.

TO: USPTO

Applicants: Philip J. Quenzi and Richard W. Jenney

Scrial No. : 10/796.619

Page 11

44 (currently amended): The trailer of claim 35, wherein said rearward supports are pivotable about said laterally extending second lateral axis at said frame to move said rearward portion of said deck rearward relative to said frame portion and to lower said rearward portion of said deck downward toward the ground rearward of said frame portion.

45 (original): The trailer of claim 35, wherein said rearward supports are pivotable in unison with one another.

46 (currently amended): A trailer for carrying cargo, said trailer comprising:

a frame portion and a deck attached to said frame portion;

front and rear axles mounted to said frame portion, each of said axles having at least one wheel at opposite ends of said axle, said wheels and said axles supporting said frame portion above the ground, said front axlc comprising a steerable axle and being mounted to an axle base that is pivotally attached to said frame and pivotable about a first generally vertical axis to turn said front axle relative to said frame portion to steer said trailer; and

a hitching member extending from a front portion of said frame portion for connecting said trailer to a towing vehicle, said hitching member including a connecting element for connecting said hitching member and said trailer to a towing vehicle, said hitching member being pivotally attached to a said front portion of said frame portion and being pivotable about a second generally vertical axis relative to said front portion of said frame portion, said second generally vertical axis being spaced from and forward of said first generally vertical axis, said hitching member being movably attached to said axlc base forward of said first and second generally vertical axesaxis such that pivotal movement of said hitching member about said second generally vertical axis causes pivotal movement of said axle base about said first generally vertical axis.

Serial No. : 10/796,619

Page

12

47 (original): The trailer of claim 46, wherein said hitching member is movably attached to said axle base via a mounting member of said hitching member extending through a slot in said axle base, said mounting member urging said axle base to pivot and moving along said slot when said hitching member pivots about said second axis.

48 (original): The trailer of claim 46, wherein said hitching member is pivotable about said second axis via at least one actuator.

49 (original): The trailer of claim 46, wherein said hitching member includes a vertically adjustable portion that is vertically adjustable to adjust a hitching end of said vertically adjustable portion relative to said frame portion.

50 (original): The trailer of claim 49, wherein said vertically adjustable portion is vertically adjustable via an actuator.

51. (original): The trailer of claim 46, wherein said rear axle comprises a steerable rear axle that is pivotable about a third generally vertical axis.

52 (original): The trailer of claim 51, wherein said rear axle pivots in a second direction in response to said front axle pivoting in a first direction, said second direction being generally opposite to said first direction.

53 (original): The trailer of claim 52, wherein said rear axle is interconnected with said front axle via at least one connecting member, said at least one connecting member urging said rear axle to pivot in said second direction when said front axle pivots in said first direction.

54 (original): The trailer of claim 46 including at least one center axle positioned between said front and rear axles and having at least one wheel at opposite ends thereof.

Scrial No. : 10/796,619

Page : 13

55 (original): The trailer of claim 54, wherein said front, rear and center axles are vertically adjustable relative to said frame portion.

56 (original): The trailer of claim 54, wherein said at least one center axle is raisable relative to said frame portion and said front and rear axles so that said frame portion is supported by said wheels of said front and rear axles.

57 (original): The trailer of claim 54, wherein said front and rear axles are raisable relative to said frame portion and said at least one center axle so that said frame portion is supported by said wheels of said at least one center axle.